

shaped depressions, each said pyramid-shaped depression having a pyramid angle formed between adjoining faces of said at least one pyramid-shaped depression; and

D1
contd

a vapor phase deposit layer comprising a precious stone layer applied on said plate-shaped support in a selected orientation, said precious gemstone layer having an upper surface facing away from said plate-shaped support and an underside, said underside having a plurality of pyramid-shaped projections arranged to correspondingly fit a respective ones of said pyramid-shaped depressions, whereby said orientation of said vapor phase deposit layer upon said plate-shaped support imparts decorative, light-reflective qualities to said gemstone.

D2

20. Gemstone according to claim 16, wherein said plate-shaped support is comprised of a metal, said metal having a hardness sufficient to support said precious stone layer upon said plate-shaped support.

D3

22. Gemstone according to claim 16, wherein said pyramid-shaped depressions are produced mechanically.

D4

23. Gemstone according to claim 22, wherein said pyramid-shaped depressions are produced by cutting or stamping.

D5

24. Gemstone according to claim 16, wherein said pyramid-shaped depressions are produced by etching.

D6

26. Gemstone according to claim 16, wherein each said pyramid angle of said pyramid-shaped depressions includes a pyramid angle measuring approximately 109°.

28. Gemstone according to claim 16, wherein each of said pyramid-shaped depressions has a mirror surface.

{Please add the following new claim:}

32. A method for producing a gemstone, said method comprising the steps of:

providing a plate-shaped support having a surface with at least one pyramid-shaped depression, each said at least one pyramid-shaped depression having a pyramid angle formed between adjoining faces of said at least one pyramid-shaped depression; and

vapor-phase depositing a precious stone layer on said plate-shaped support for imparting decorative, light-reflective qualities to said gemstone, said precious stone layer having an upper surface facing away from said plate-shaped support and an underside, said underside having at least one pyramid-shaped projection arranged to correspondingly fit a respective one of said at least one pyramid-shaped depression.